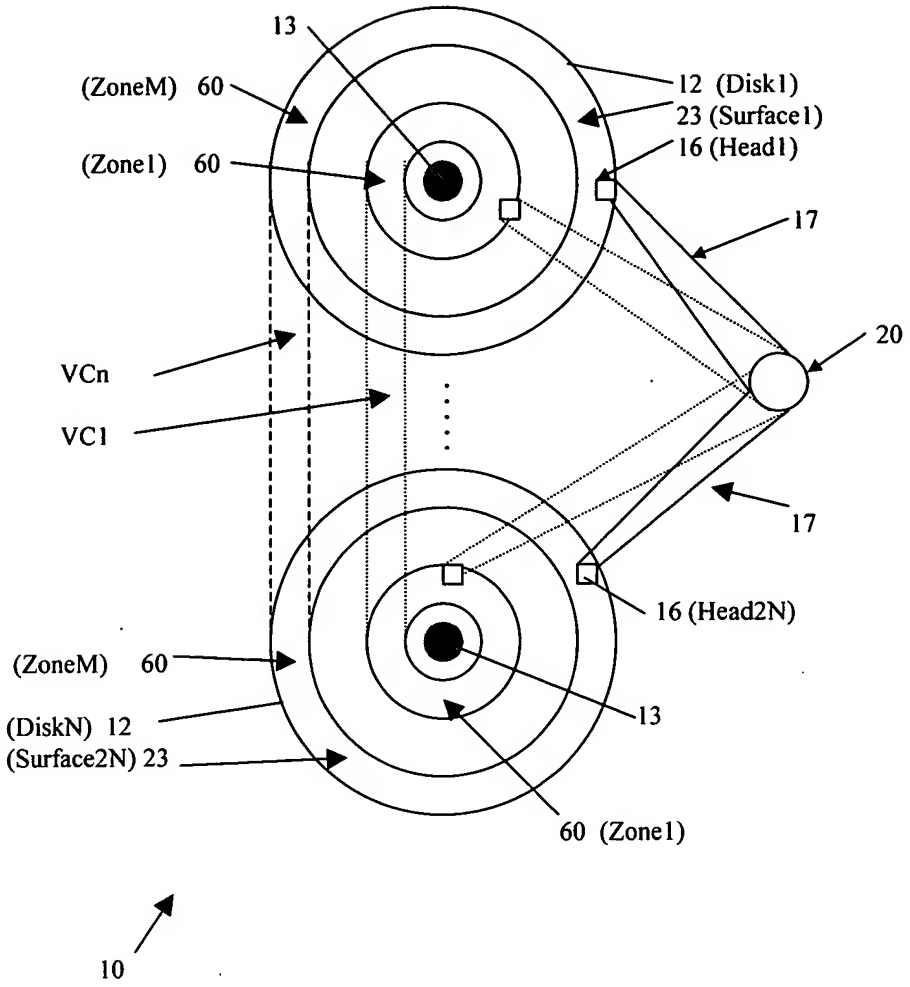
13
(ZoneM) 60
(Zone1) 60
12 (Disk1)
23 (Surface1)
16 (Head1)
17
20
VCn
VC1
17
16 (Head2N)
(ZoneM) 60
(DiskN) 12
(Surface2N) 23
13
60 (Zone1)
10

FIG. 1A

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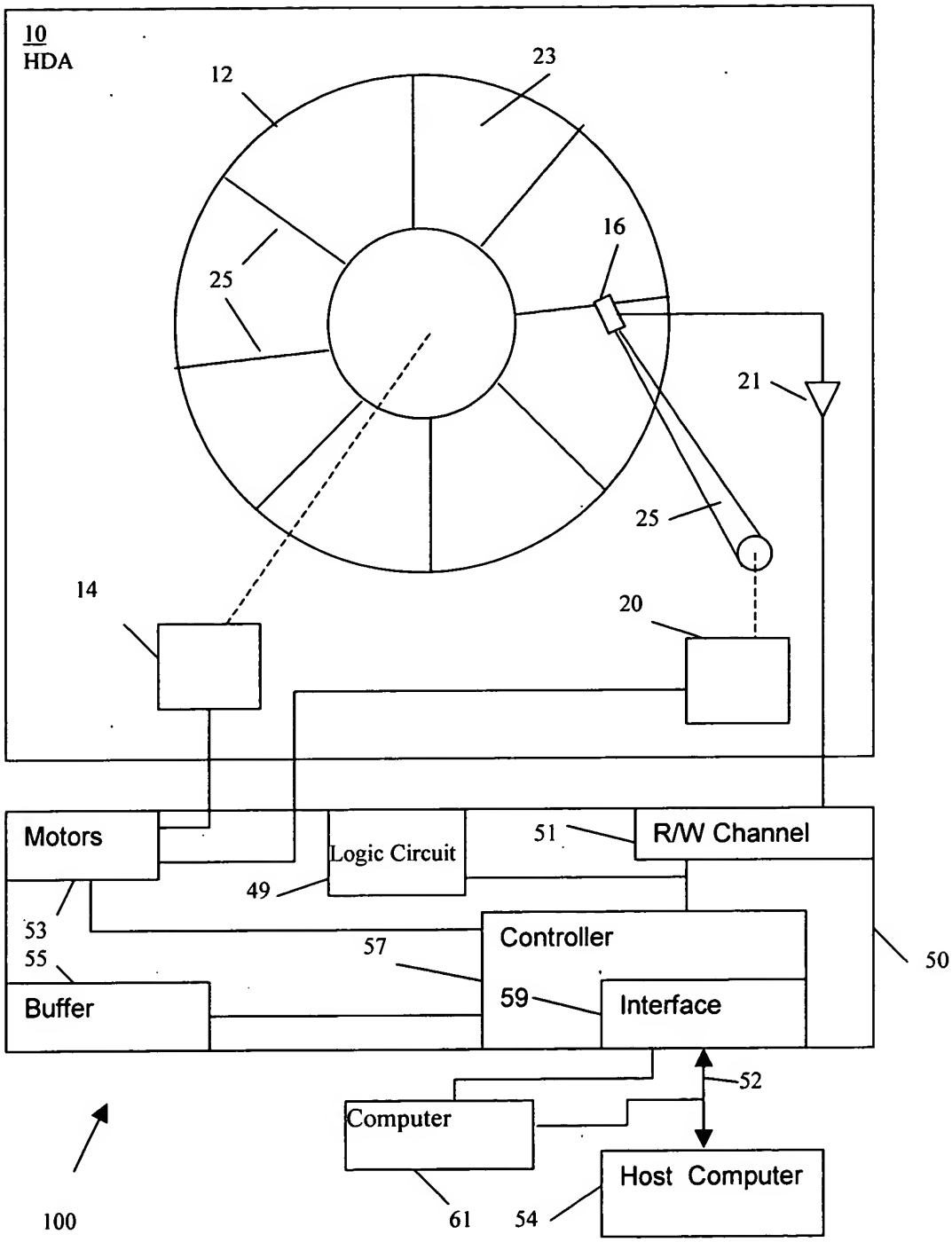

FIG. 1B

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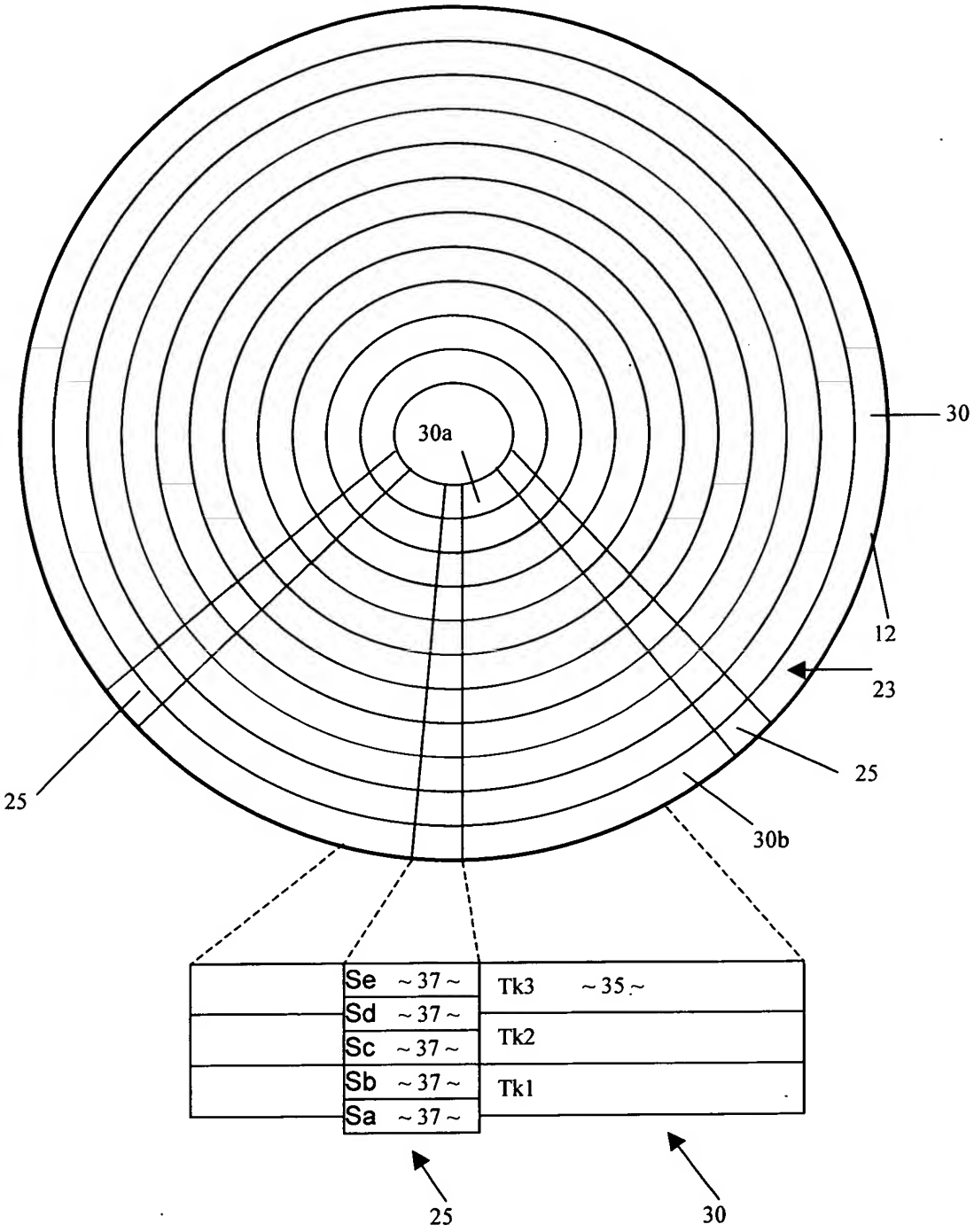


FIG. 1C

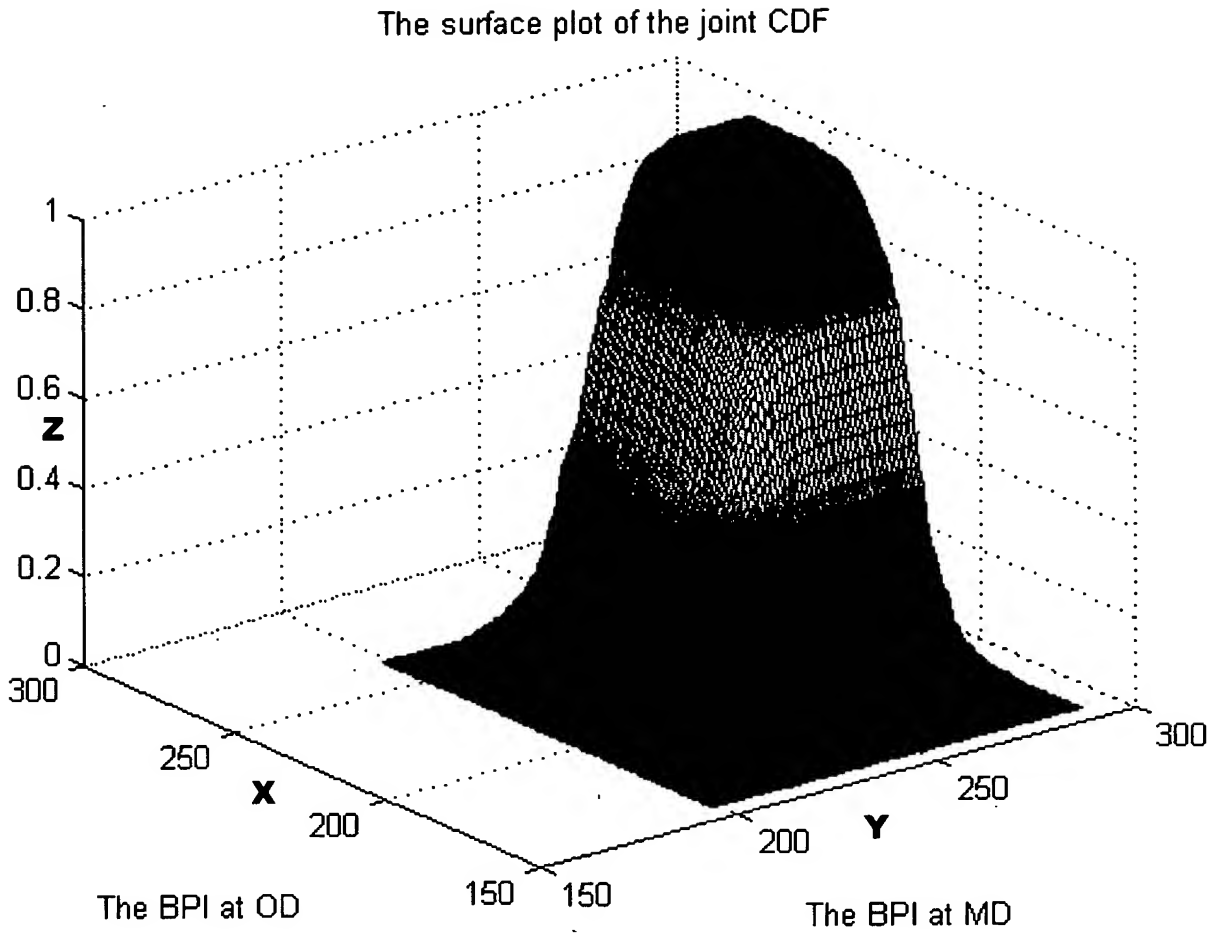
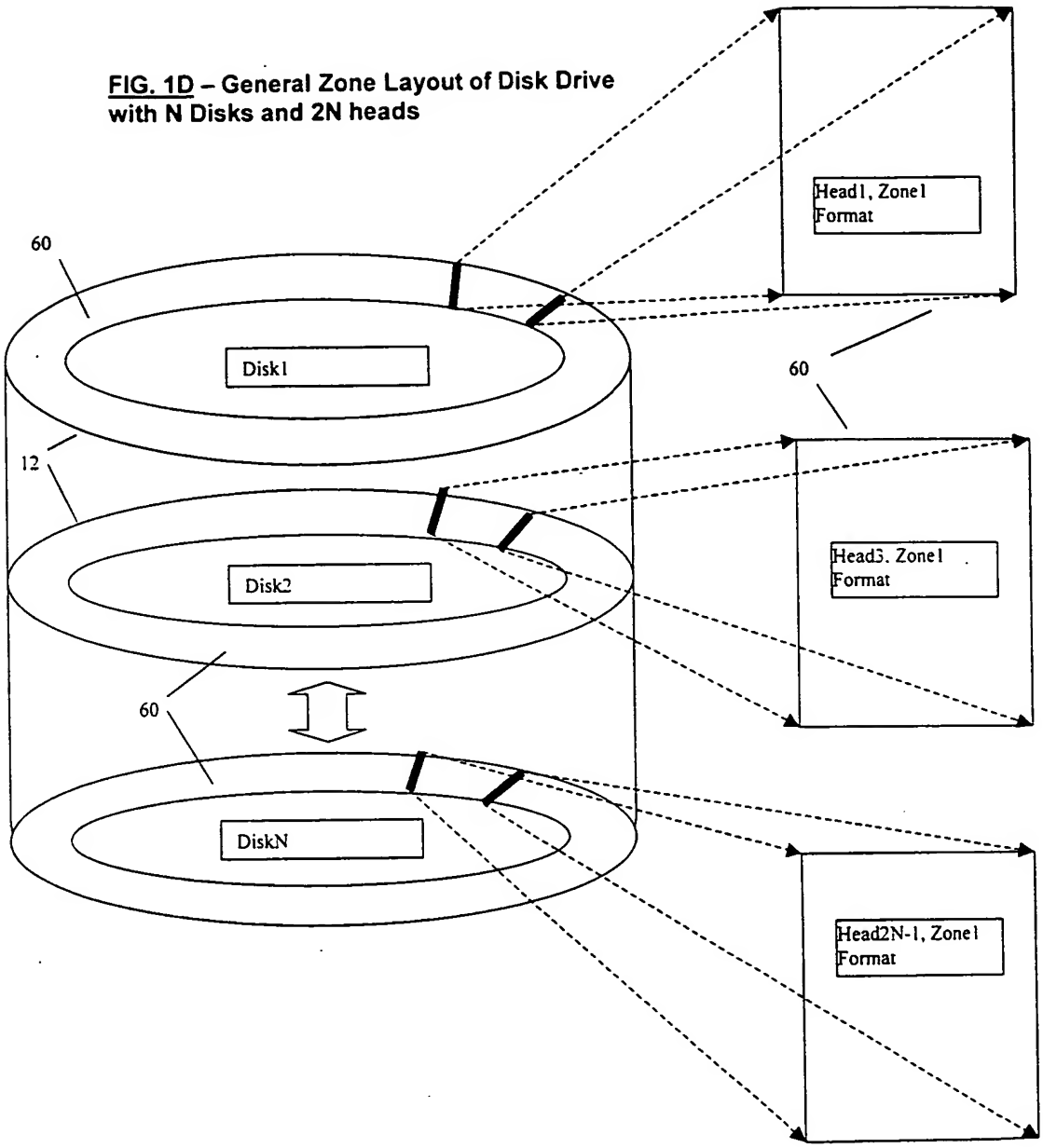

The surface plot of the joint CDF
1
0.8
0.6
Z
0.4
0.2
0
300
250
X
200
150
The BPI at OD
150
200
Y
250
300
The BPI at MD

FIG. 2C

Doc. No. P1058.00

FIG. 1D – General Zone Layout of Disk Drive with N Disks and 2N heads



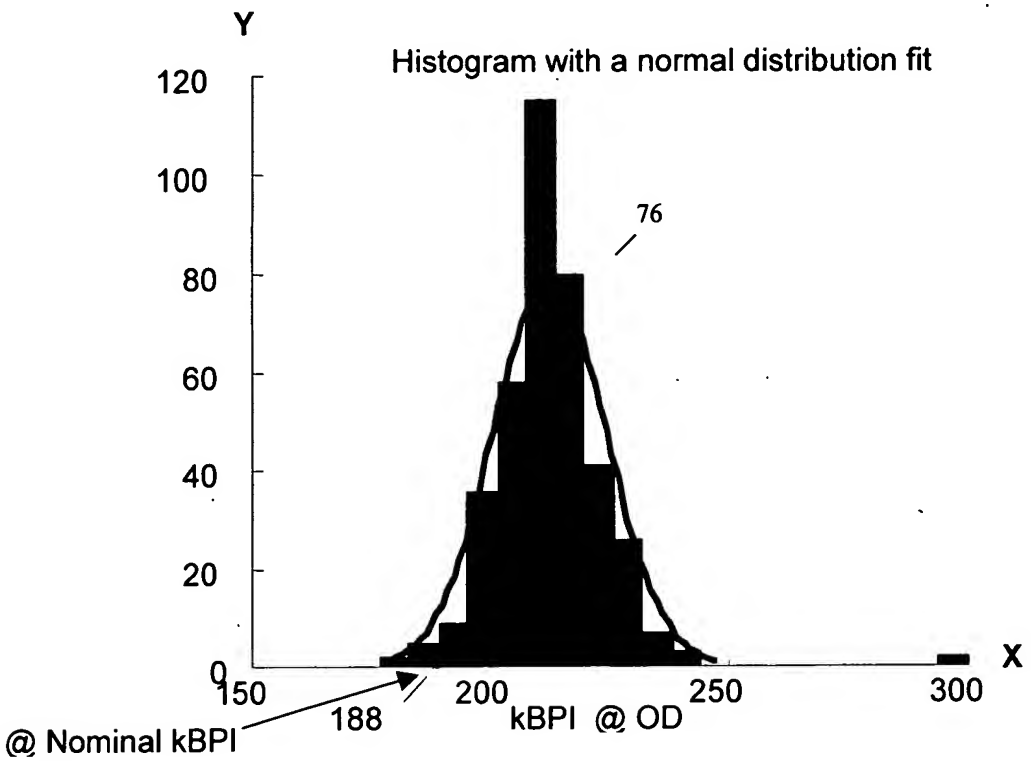
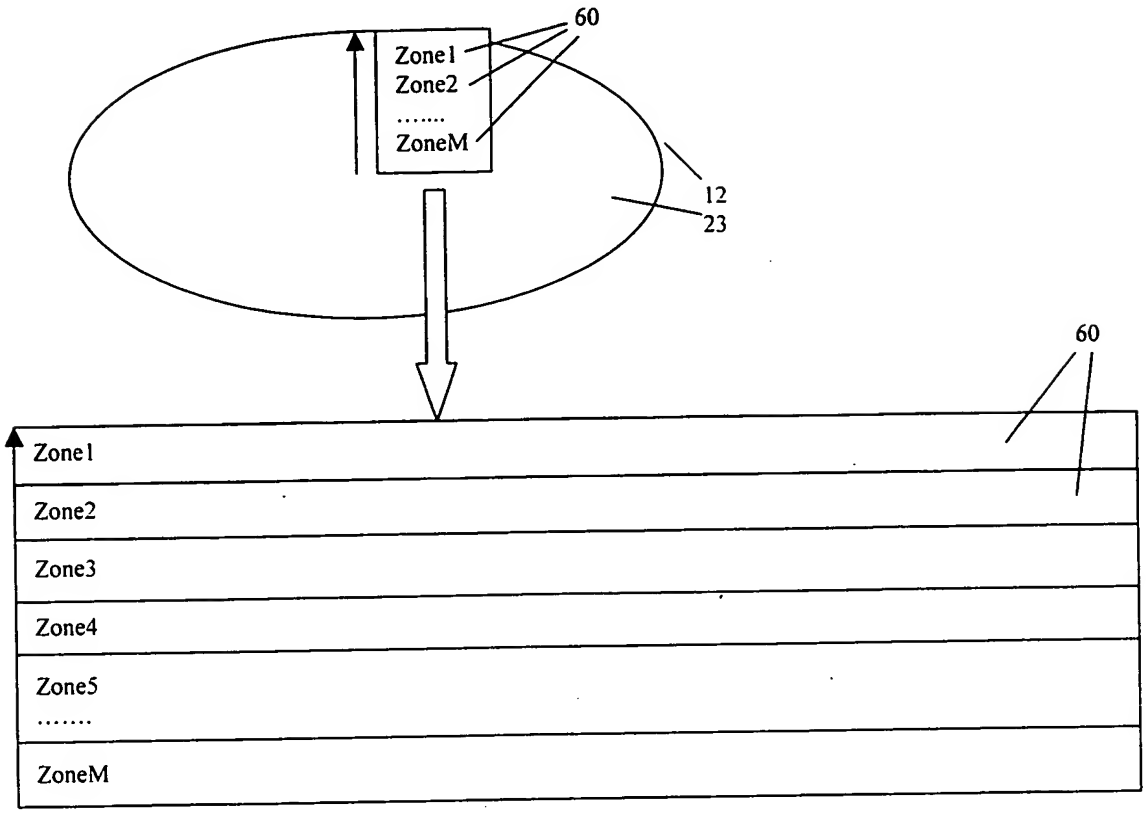

Y
Histogram with a normal distribution fit
120
100
80
60
40
20
0
76
X
150
188
200
250
300
@ Nominal kBPI
kBPI @ OD

FIG. 2D

FIG. 1E – Capacity Zones for a drive surface



Doc No. 4050800.04

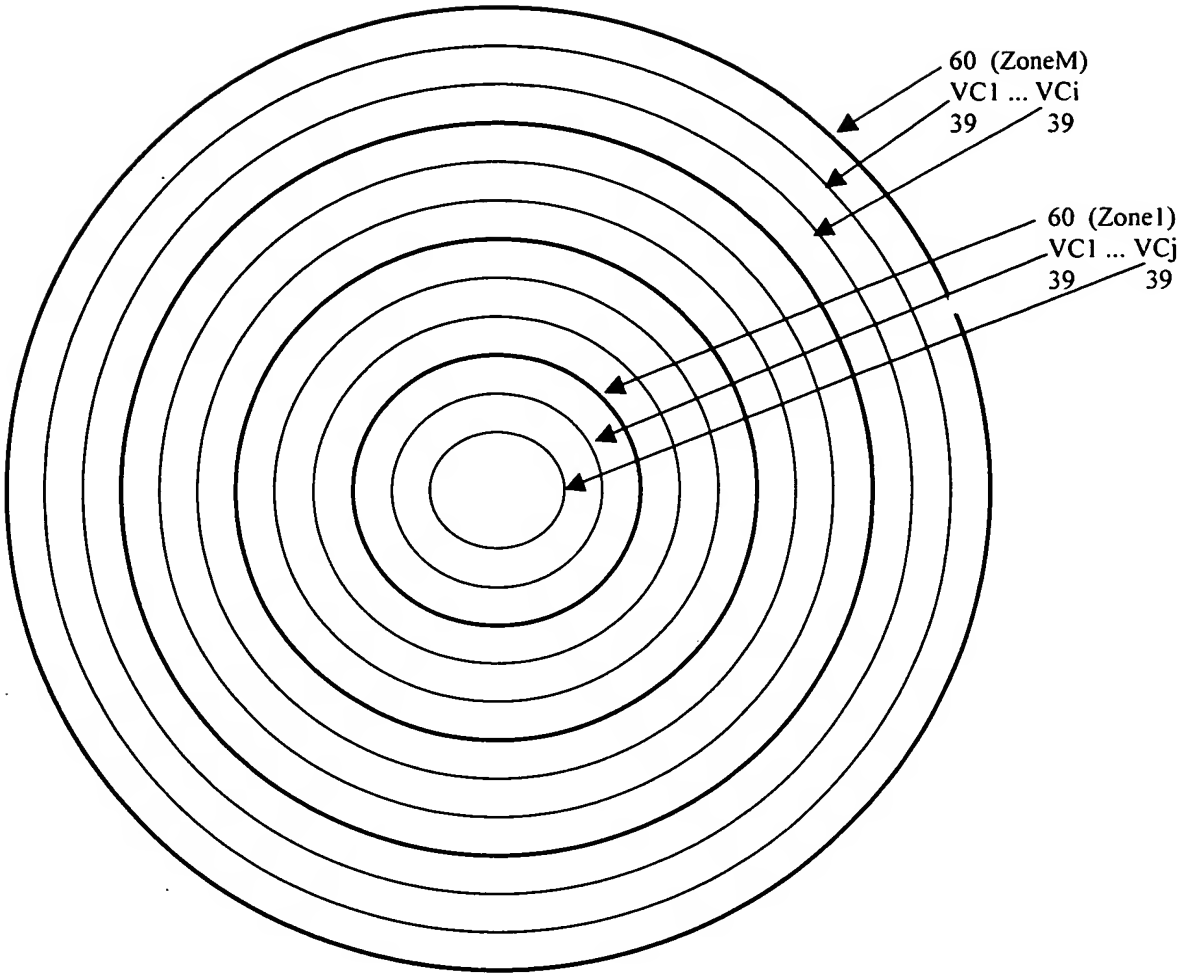


FIG. 1F

FIG. 1G – Data Tracks in Virtual Cylinders in a Zone

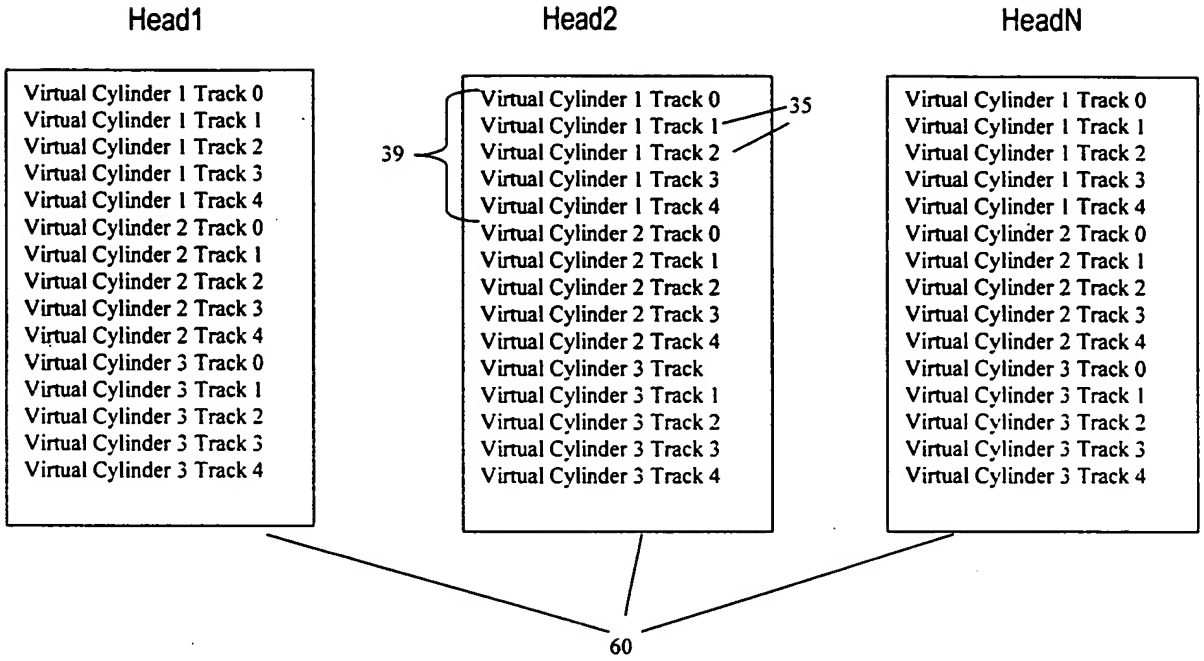


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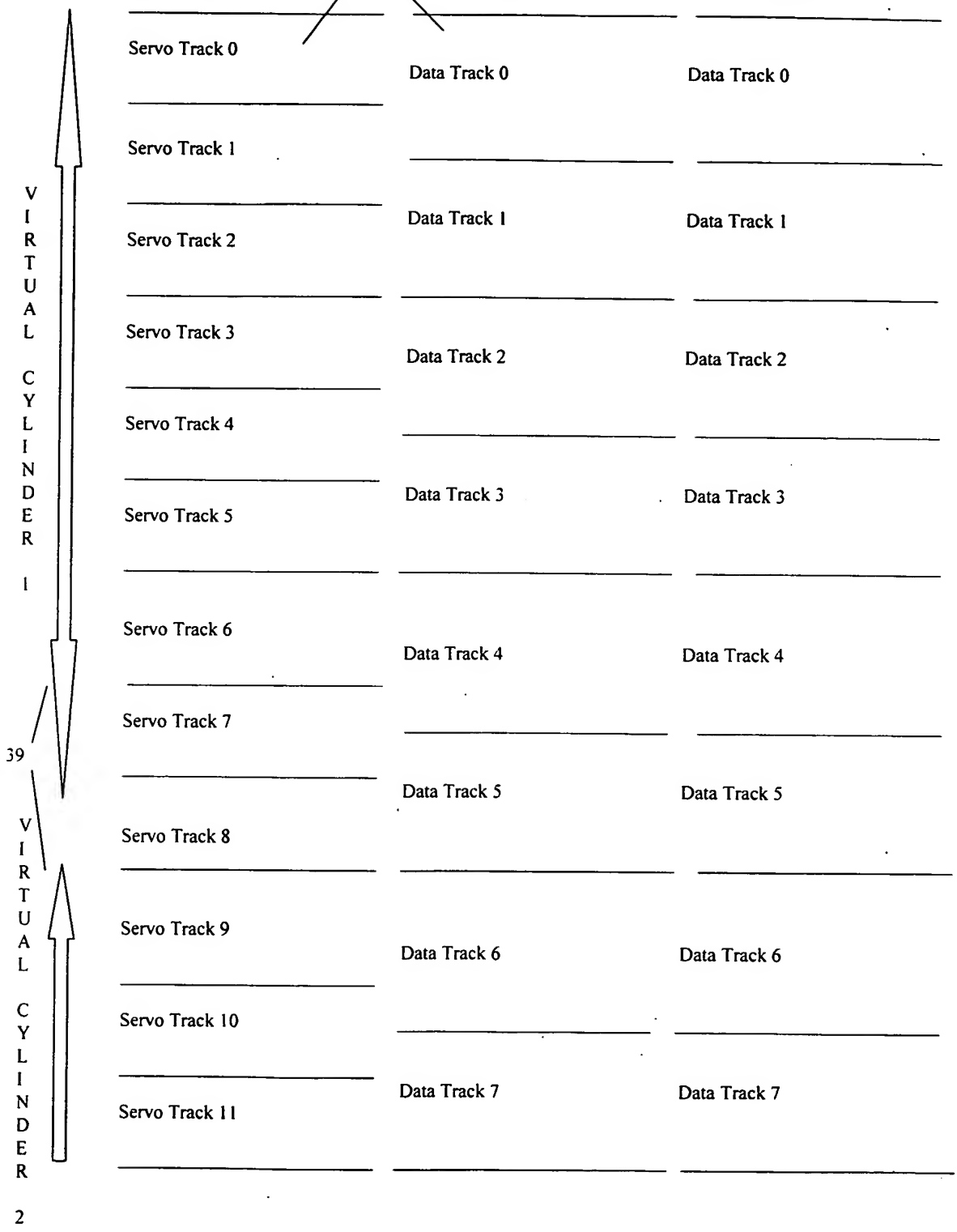
FIG. 1H



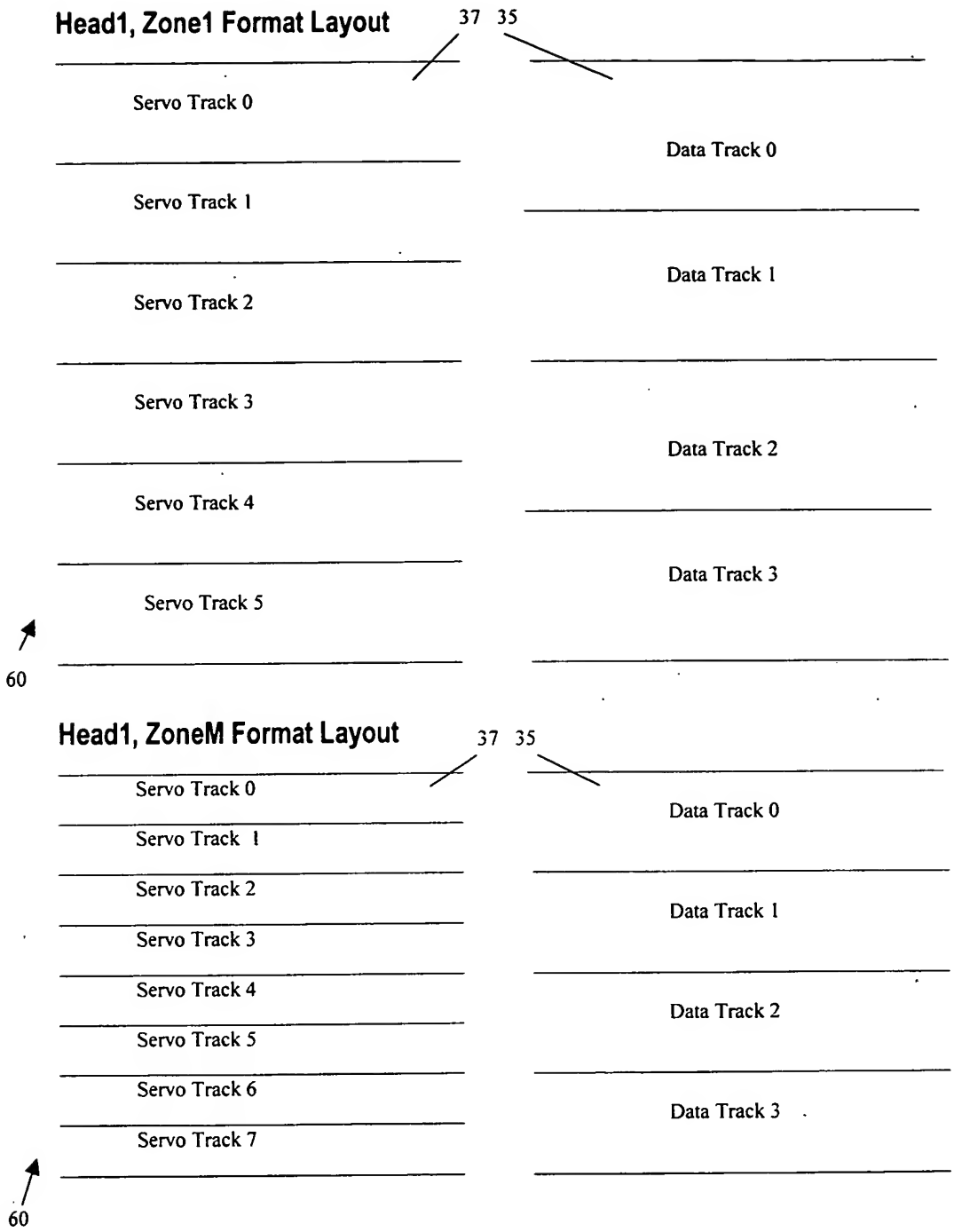


FIG. 1I - Variable Servo Track and Variable Data Track Layout per zone

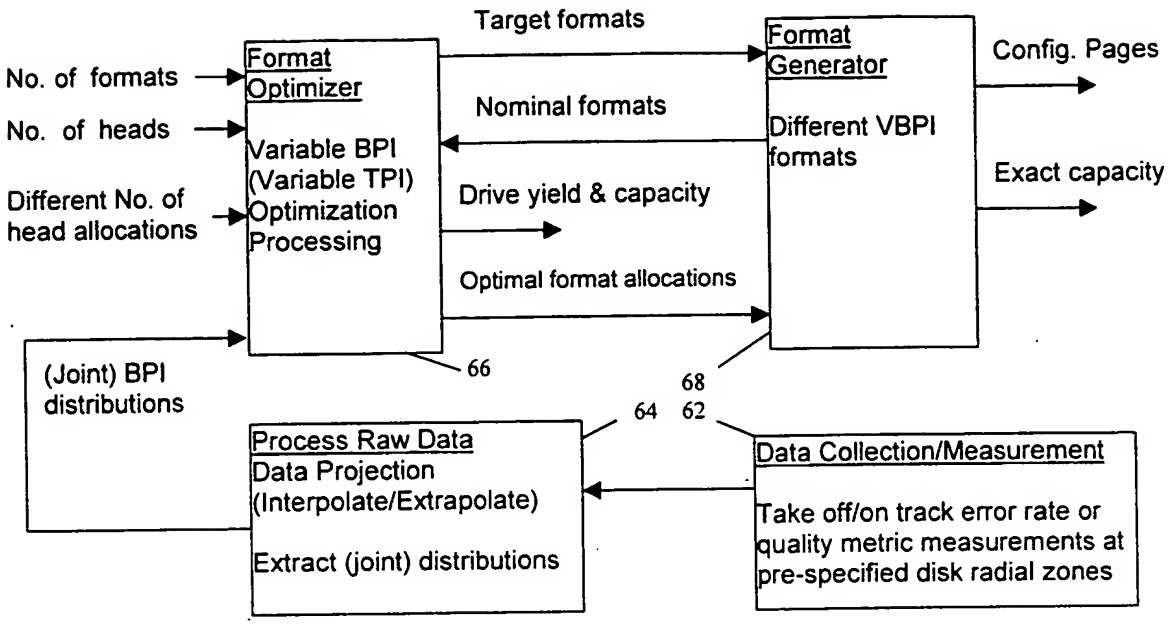


FIG. 2A

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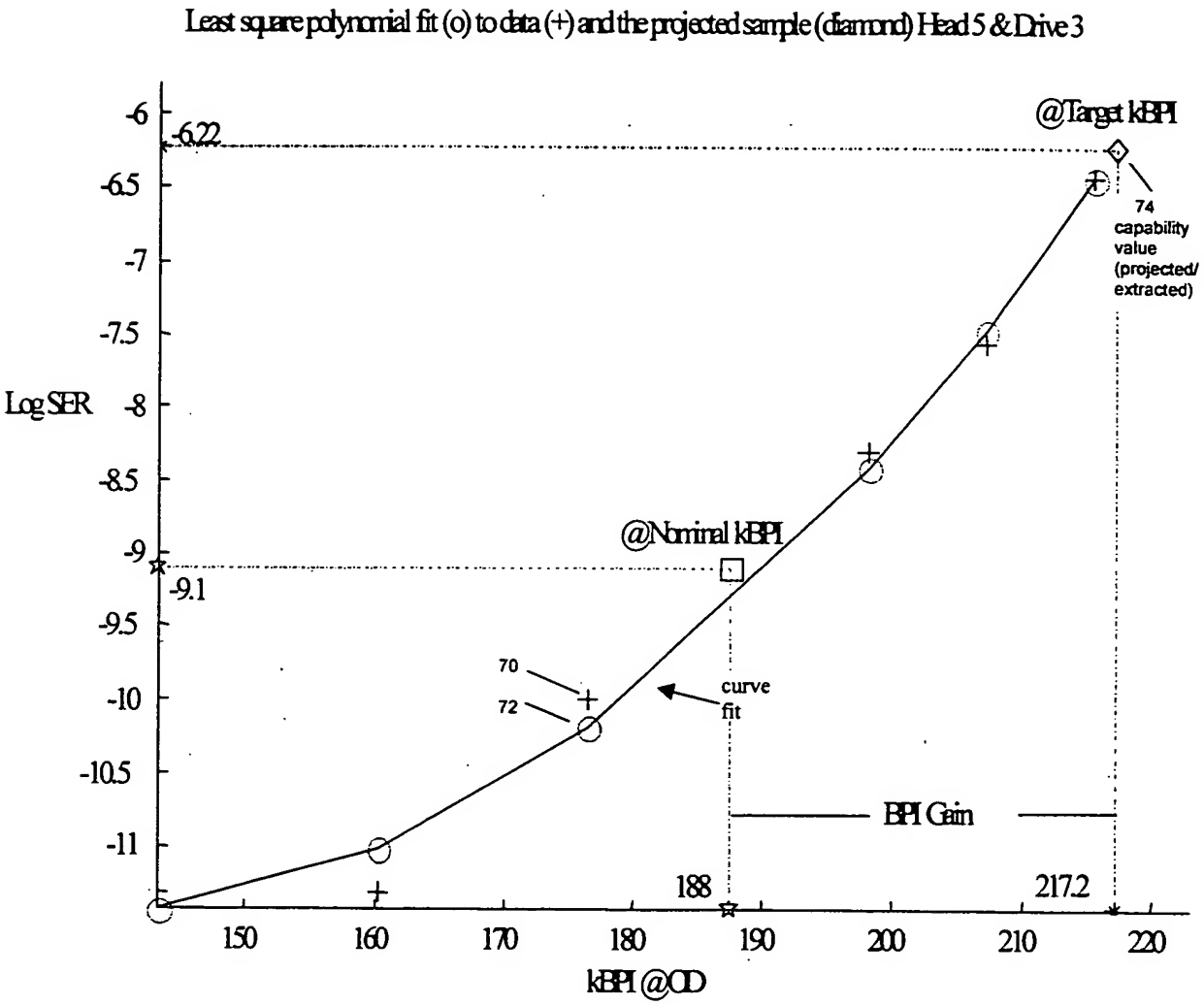

FIG. 2B

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Vertical Zoning Data Collection Procedure

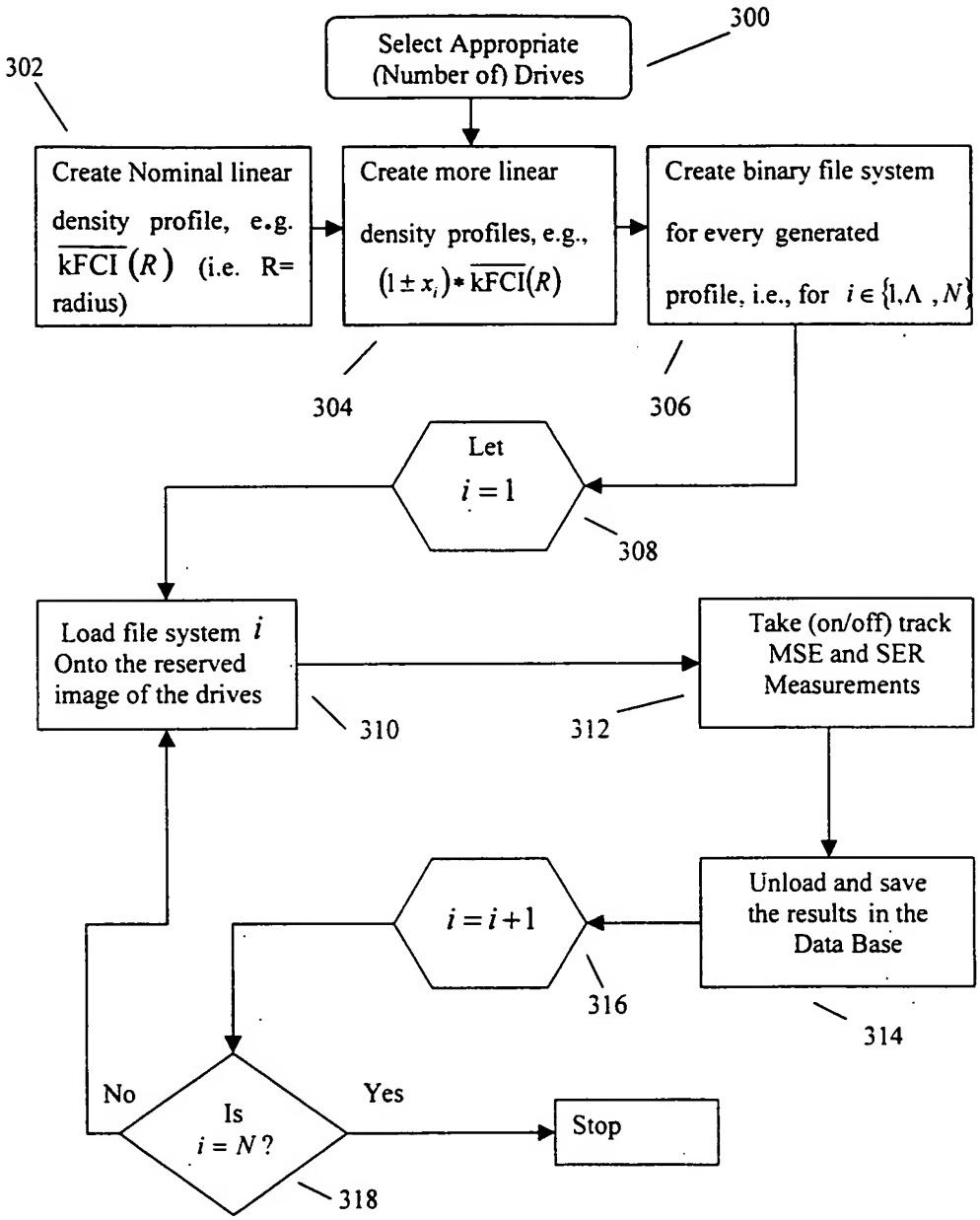

FIG. 3

Vertical Zoning Post-Processing and per zone BPI distribution Extraction

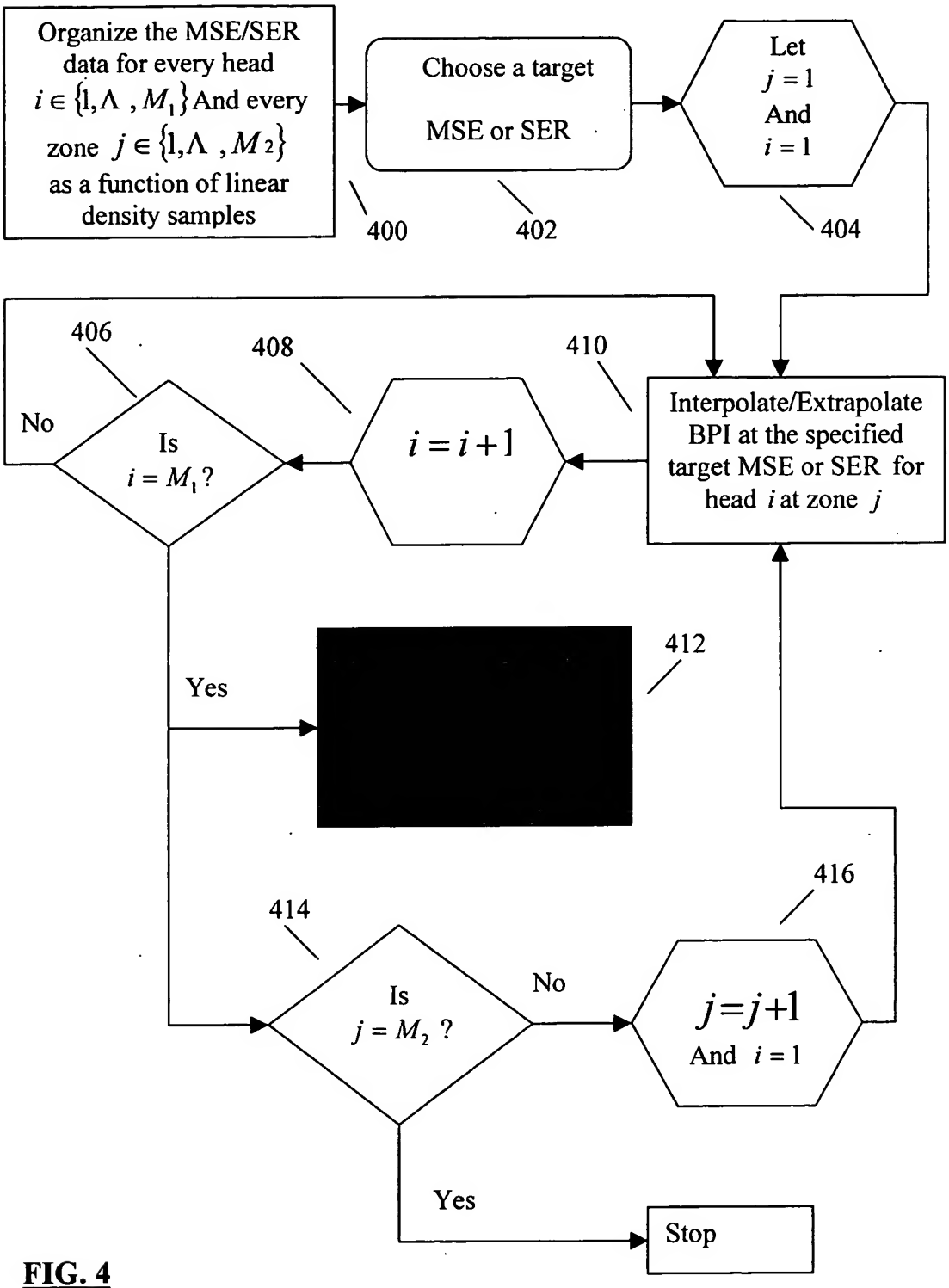

FIG. 4

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Head Assignment

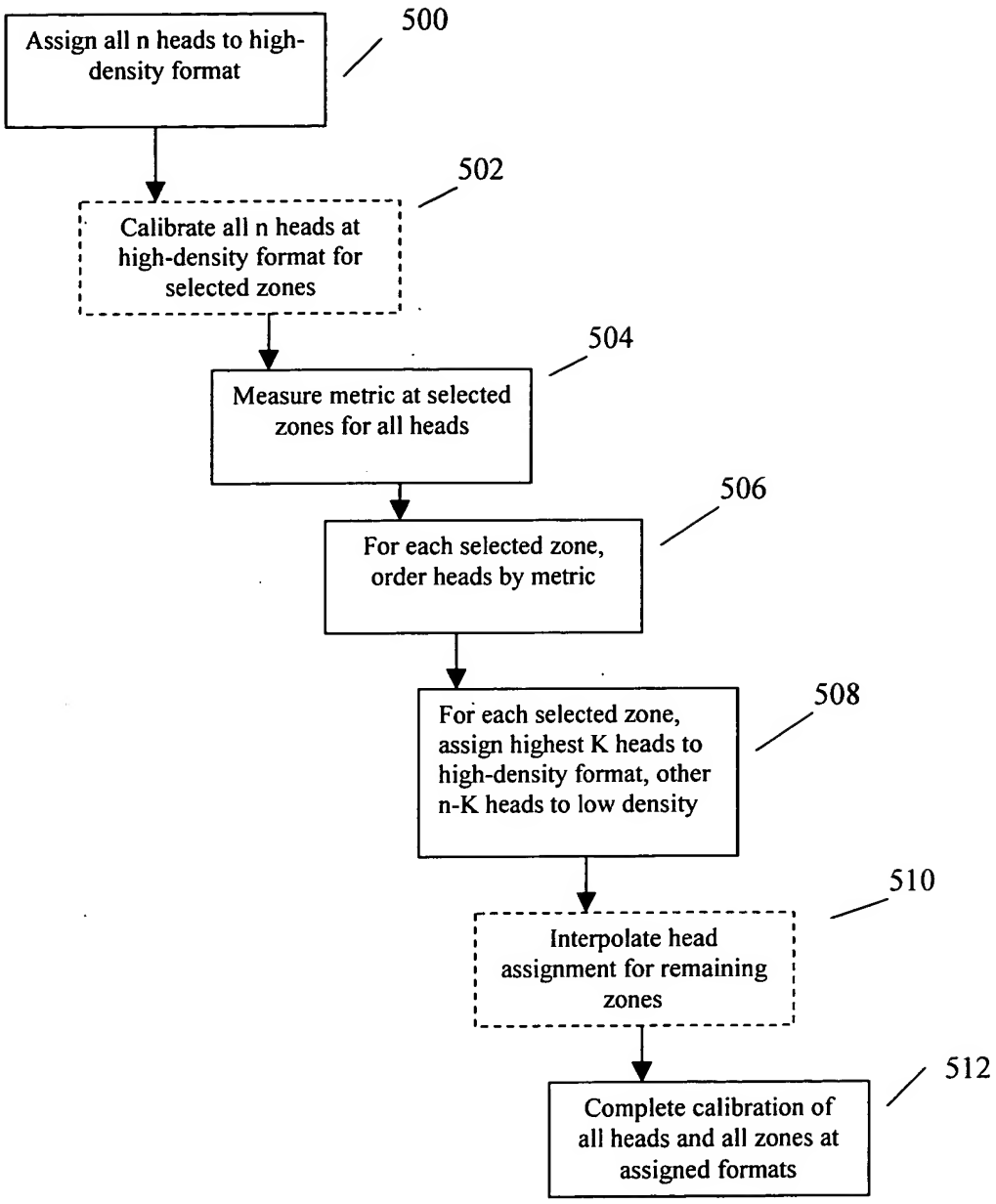

FIG. 5

Docket No. 50277-2004

Format Generator/Format Optimizer Iteration

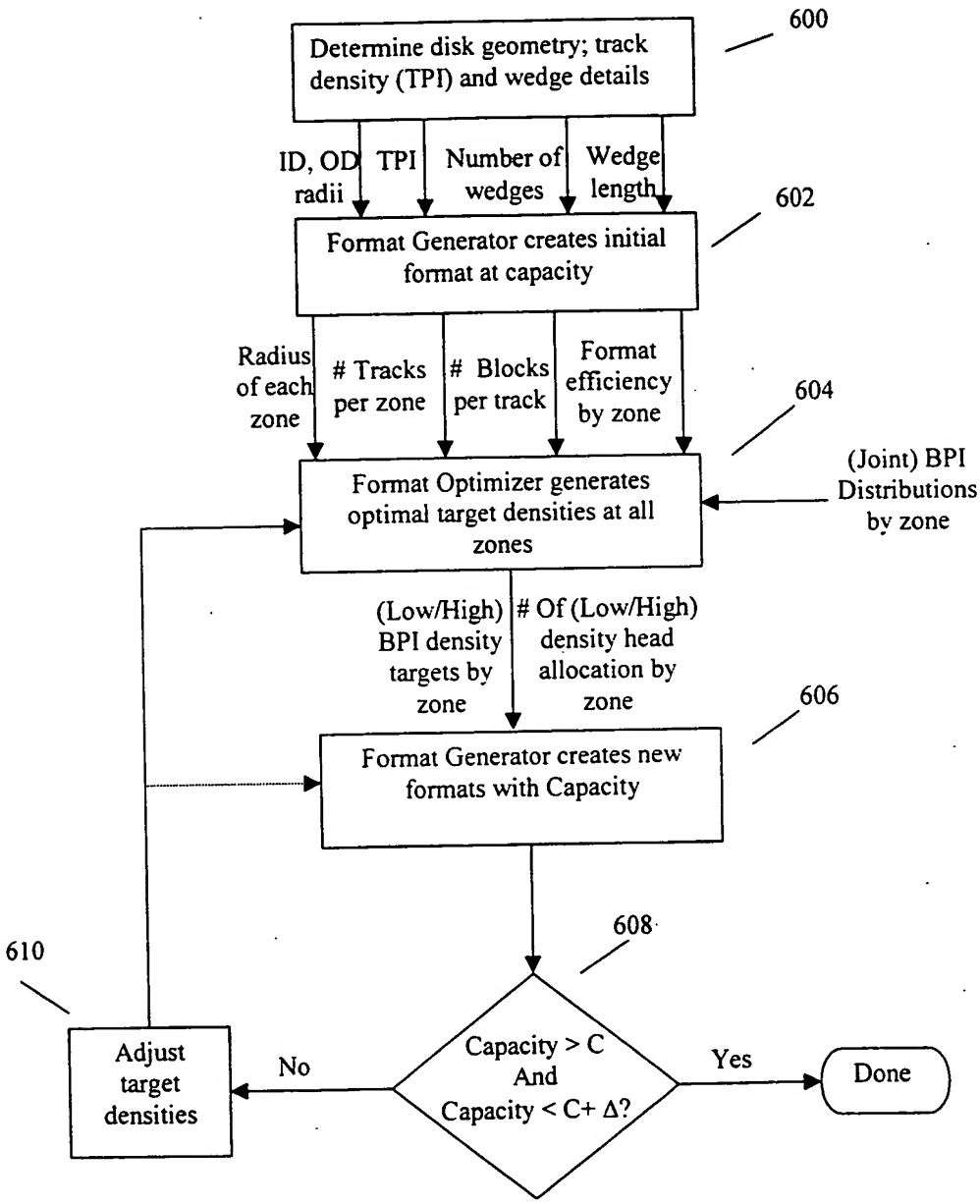

FIG. 6